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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/747,774C

DATE: 03/13/2003 <sup>86</sup>  
TIME: 14:52:25

Input Set : A:\SeqListCorr3.txt

Output Set: N:\CRF4\03132003\I747774C.raw

```

3 <110> APPLICANT: Klein, Christine A.
4   Murphy, Andrew J. M.
5   Broach, James R.
6   Manfredi, John
7   Paul, Jeremy
8   Fowlkes, Dana M.
9   Trueheart, Joshua
11 <120> TITLE OF INVENTION: Methods and Compositions for Identifying
12   Receptor Effectors
14 <130> FILE REFERENCE: CPI-012CP5DV
16 <140> CURRENT APPLICATION NUMBER: US 09/747,774C
17 <141> CURRENT FILING DATE: 2000-12-21
19 <150> PRIOR APPLICATION NUMBER: US 08/582,333
20 <151> PRIOR FILING DATE: 1996-01-17
22 <150> PRIOR APPLICATION NUMBER: US 08/464,531
23 <151> PRIOR FILING DATE: 1995-06-05
25 <150> PRIOR APPLICATION NUMBER: US 08/461,598
26 <151> PRIOR FILING DATE: 1995-06-05
28 <150> PRIOR APPLICATION NUMBER: US 08/461,383
29 <151> PRIOR FILING DATE: 1995-06-05
31 <150> PRIOR APPLICATION NUMBER: US 08/463,181
32 <151> PRIOR FILING DATE: 1995-06-05
34 <150> PRIOR APPLICATION NUMBER: US 08/322,137
35 <151> PRIOR FILING DATE: 1994-10-13
37 <150> PRIOR APPLICATION NUMBER: US 08/309,313
38 <151> PRIOR FILING DATE: 1994-09-20
40 <150> PRIOR APPLICATION NUMBER: US 08/190,328
41 <151> PRIOR FILING DATE: 1994-01-31
43 <150> PRIOR APPLICATION NUMBER: US 08/041,431
44 <151> PRIOR FILING DATE: 1993-03-31
46 <160> NUMBER OF SEQ ID NOS: 100
48 <170> SOFTWARE: FastSEQ for Windows Version 4.0
50 <210> SEQ ID NO: 1
51 <211> LENGTH: 10
52 <212> TYPE: PRT
53 <213> ORGANISM: Saccharomyces cerevisiae
55 <400> SEQUENCE: 1
56 Leu Leu Leu Leu Gly Ala Gly Glu Ser Gly
57 1          5          10
60 <210> SEQ ID NO: 2
61 <211> LENGTH: 9
62 <212> TYPE: PRT
63 <213> ORGANISM: Saccharomyces cerevisiae

```

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```

65 <400> SEQUENCE: 2
66 Gly Ser Gly Glu Ser Gly Asp Ser Thr
67 1 5
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 9
72 <212> TYPE: PRT
73 <213> ORGANISM: Saccharomyces cerevisiae
75 <400> SEQUENCE: 3
76 Leu Ile His Glu Asp Ile Ala Lys Ala
77 1 5
80 <210> SEQ ID NO: 4
81 <211> LENGTH: 13
82 <212> TYPE: PRT
83 <213> ORGANISM: Saccharomyces cerevisiae
85 <400> SEQUENCE: 4
86 Ser Leu Leu Trp Leu Thr Cys Arg Pro Trp Glu Ala Met
87 1 5 10
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 34
92 <212> TYPE: DNA
93 <213> ORGANISM: Saccharomyces cerevisiae
95 <400> SEQUENCE: 5
96 gttaagaacc atatactagt atcaaaaatg tctg 34
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 35
100 <212> TYPE: DNA
101 <213> ORGANISM: Saccharomyces cerevisiae
103 <400> SEQUENCE: 6
104 tgatcaaaat ttactagttt gaaaaagtaa tttcg 35
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 28
108 <212> TYPE: DNA
109 <213> ORGANISM: Saccharomyces cerevisiae
111 <400> SEQUENCE: 7
112 ggcaaaatac tagtaaaatt ttcattgc 28
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 34
116 <212> TYPE: DNA
117 <213> ORGANISM: Saccharomyces cerevisiae
119 <400> SEQUENCE: 8
120 ggcccttaac acactagtgt cgcattatat ttac 34
122 <210> SEQ ID NO: 9
123 <211> LENGTH: 60
124 <212> TYPE: DNA
125 <213> ORGANISM: Saccharomyces cerevisiae
127 <400> SEQUENCE: 9
128 ctaaagaaga aggggtatct ttgcttaagc tcgagatctc gactgataac aacagtgtag 60
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 31

```

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```

133 <212> TYPE: DNA
134 <213> ORGANISM: Saccharomyces cerevisiae
136 <400> SEQUENCE: 10
137 catacacaat ataaagcttt aaaagaatga g 31
139 <210> SEQ ID NO: 11
140 <211> LENGTH: 28
141 <212> TYPE: DNA
142 <213> ORGANISM: Saccharomyces cerevisiae
144 <400> SEQUENCE: 11
145 ttaagcgtga ggcagaagct tatcgata 28
147 <210> SEQ ID NO: 12
148 <211> LENGTH: 28
149 <212> TYPE: DNA
150 <213> ORGANISM: Saccharomyces cerevisiae
152 <400> SEQUENCE: 12
153 cgcaactccgt ctgcgaatag ctatctag 28
155 <210> SEQ ID NO: 13
156 <211> LENGTH: 25
157 <212> TYPE: DNA
158 <213> ORGANISM: Saccharomyces cerevisiae
160 <400> SEQUENCE: 13
161 gctactttaag cgtgaggcag aagct 25
163 <210> SEQ ID NO: 14
164 <211> LENGTH: 38
165 <212> TYPE: DNA
166 <213> ORGANISM: Saccharomyces cerevisiae
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (11)...(13)
171 <223> OTHER INFORMATION: n = A,T,C or G
173 <400> SEQUENCE: 14
W--> 174 cggatgatca nnnagcttct gcctcacgct taagtagc 38
176 <210> SEQ ID NO: 15
177 <211> LENGTH: 71
178 <212> TYPE: DNA
179 <213> ORGANISM: Saccharomyces cerevisiae
181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
183 <222> LOCATION: 19,20,22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,
184 <222> LOCATION: 46,47,49,50,52,53
185 <223> OTHER INFORMATION: n = A,T,C or G
W--> 187 <400> 15
W--> 188 ctggatgcga agacagctnn knnknknknk nnknknknkn nknknknkn knnktgatca 60
189 gtctgtgacg c 71
191 <210> SEQ ID NO: 16
192 <211> LENGTH: 17
193 <212> TYPE: DNA
194 <213> ORGANISM: Saccharomyces cerevisiae
196 <400> SEQUENCE: 16

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## RAW SEQUENCE LISTING

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```

197 gcgtcacaga ctgatca 17
199 <210> SEQ ID NO: 17
200 <211> LENGTH: 17
201 <212> TYPE: DNA
202 <213> ORGANISM: Saccharomyces cerevisiae
204 <400> SEQUENCE: 17
205 tgatcagtct gtgacgc 17
207 <210> SEQ ID NO: 18
208 <211> LENGTH: 17
209 <212> TYPE: DNA
210 <213> ORGANISM: Saccharomyces cerevisiae
212 <400> SEQUENCE: 18
213 actagtccaga cactgcg 17
215 <210> SEQ ID NO: 19
216 <211> LENGTH: 41
217 <212> TYPE: DNA
218 <213> ORGANISM: Saccharomyces cerevisiae
220 <400> SEQUENCE: 19
221 ccaaaataag tacaagctt tcgaatagaa atgcaacccat c 41
223 <210> SEQ ID NO: 20
224 <211> LENGTH: 59
225 <212> TYPE: DNA
226 <213> ORGANISM: Saccharomyces cerevisiae
228 <400> SEQUENCE: 20
229 gccgctccaa aagaaaagac ctcgagctcg ctttaagttct gcgtacaaaa acgttgttc 59
231 <210> SEQ ID NO: 21
232 <211> LENGTH: 26
233 <212> TYPE: DNA
234 <213> ORGANISM: Saccharomyces cerevisiae
236 <400> SEQUENCE: 21
237 ggtactcgag tgaaaagaag gacaac 26
239 <210> SEQ ID NO: 22
240 <211> LENGTH: 49
241 <212> TYPE: DNA
242 <213> ORGANISM: Saccharomyces cerevisiae
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <222> LOCATION: (21)...(23)
247 <223> OTHER INFORMATION: n = A,T,C or G
249 <400> SEQUENCE: 22
W--> 250 ogtaacttaag caataacaca nnngttgctc ttcttttcac togagtacc 49
252 <210> SEQ ID NO: 23
253 <211> LENGTH: 17
254 <212> TYPE: DNA
255 <213> ORGANISM: Saccharomyces cerevisiae
257 <400> SEQUENCE: 23
258 gcgtcacaga ctgatca 17
260 <210> SEQ ID NO: 24
261 <211> LENGTH: 71

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## RAW SEQUENCE LISTING

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DATE: 03/13/2003

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Input Set : A:\SeqListCorr3.txt

Output Set: N:\CRF4\03132003\I747774C.raw

```

262 <212> TYPE: DNA
263 <213> ORGANISM: Saccharomyces cerevisiae
265 <220> FEATURE:
266 <221> NAME/KEY: misc_feature
267 <222> LOCATION: 28-39, 42
268 <223> OTHER INFORMATION: n = A,T,C or G
270 <400> SEQUENCE: 24
W--> 271 gccgtcagta aagcttggca ttggttgnnn nnnnnnnnnm mncagcctat gtactgatca 60
272 gtctgtgacg c 71
274 <210> SEQ ID NO: 25
275 <211> LENGTH: 39
276 <212> TYPE: DNA
277 <213> ORGANISM: Saccharomyces cerevisiae
279 <220> FEATURE:
280 <221> NAME/KEY: CDS
281 <222> LOCATION: (1)...(39)
283 <400> SEQUENCE: 25
284 tgg cat tgg ttg cag cta aaa cct ggc caa cca atg tac 39
285 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
286 1 5 10
289 <210> SEQ ID NO: 26
290 <211> LENGTH: 13
291 <212> TYPE: PRT
292 <213> ORGANISM: Saccharomyces cerevisiae
294 <400> SEQUENCE: 26
295 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
296 1 5 10
299 <210> SEQ ID NO: 27
300 <211> LENGTH: 39
301 <212> TYPE: DNA
302 <213> ORGANISM: Saccharomyces cerevisiae
304 <220> FEATURE:
305 <221> NAME/KEY: CDS
306 <222> LOCATION: (1)...(39)
308 <400> SEQUENCE: 27
309 tgg cat tgg ttg cag cta aaa cct ggc cag cct atg tac 39
310 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
311 1 5 10
314 <210> SEQ ID NO: 28
315 <211> LENGTH: 13
316 <212> TYPE: PRT
317 <213> ORGANISM: Saccharomyces cerevisiae
319 <400> SEQUENCE: 28
320 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
321 1 5 10
324 <210> SEQ ID NO: 29
325 <211> LENGTH: 39
326 <212> TYPE: DNA
327 <213> ORGANISM: Saccharomyces cerevisiae

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/747,774C

DATE: 03/13/2003  
TIME: 14:52:26

Input Set : A:\SeqListCorr3.txt  
Output Set: N:\CRF4\03132003\I747774C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; N Pos. 11,12,13  
Seq#:15; N Pos. 19,20,22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,46,47  
Seq#:15; N Pos. 49,50,52,53  
Seq#:22; N Pos. 21,22,23  
Seq#:24; N Pos. 28,29,30,31,32,33,34,35,36,37,38,39,42  
Seq#:57; N Pos. 29,30,32,33,35,36,38,39,41,42,44,45,47,48,50,51,53,54,56,57  
Seq#:57; N Pos. 59,60,62,63,65,66  
Seq#:59; N Pos. 12,13,15,16,18,19,21,22,24,25,27,28,30,31,33,34,36,37,39,40  
Seq#:59; N Pos. 42,43,45,46,48,49  
Seq#:60; N Pos. 27,28,30,31,33,34,36,37,39,40,42,43,45,46,48,49,51,52,54,55  
Seq#:60; N Pos. 57,58  
Seq#:62; N Pos. 22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,46,47,49,50  
Seq#:62; N Pos. 52,53

## VERIFICATION SUMMARY

DATE: 03/13/2003

PATENT APPLICATION: US/09/747,774C

TIME: 14:52:26

Input Set : A:\SeqListCorr3.txt

Output Set : N:\CRF4\03132003\I747774C.raw

L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:187 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15  
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:655 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:57  
L:656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0  
M:341 Repeated in SeqNo=57  
L:678 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:59  
L:679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0  
L:692 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:60  
L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0  
L:715 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:62  
L:716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0